



Beach Monitoring Grant Program
Bureau of Water
South Carolina Department of Health and
Environmental Control
2600 Bull Street
Columbia, SC 29201-1708
Telephone (803) 898-3546 Fax (803) 898-4215

Grant Application Guidance Document

February 2006

South Carolina Beach Monitoring Grant Program

The goal of the South Carolina Beach Monitoring Program is to protect the health of South Carolina residents and tourists recreating in our coastal waters. This is accomplished by monitoring water quality and posting swim advisories as necessary.

The purpose of the South Carolina Beach Monitoring Grant Program is to provide federal funding to coastal municipalities to assist them in performing beach monitoring activities. The Department of Health and Environmental Control, Bureau of Water, will administer federal grant funds to reimburse eligible municipalities for costs incurred collecting and analyzing water samples and performing advisory notification activities. Funding support for the Beach Monitoring Grant Program is provided from the Environmental Protection Agency (EPA) through Cooperative Agreement CU974416-02-2, CFDA Number 66.472, Beach Monitoring and Notification Program Development Grants.

Background

The Beaches Environmental Assessment and Coastal Health (BEACH) Act was passed on October 10, 2000, amending the Clean Water Act. The BEACH Act addresses pathogens and pathogen indicators in coastal recreation waters. A provision of the BEACH Act authorizes the EPA to award grants to states and tribes to implement beach monitoring and notification programs. The South Carolina Department of Health and Environmental Control (DHEC) is awarding a portion of the 2006 BEACH Grant funds to coastal municipalities to aid in funding beach monitoring and notification activities.

Who is eligible to apply for a beach monitoring grant?

Municipalities within the coastal counties of Horry, Georgetown, Berkeley, Charleston, Colleton, and Beaufort containing ocean front beaches previously monitored by DHEC. A listing of these beaches and monitoring sites is included as Attachment 1.

What can the money be used for?

Grant awards shall be used to reimburse costs incurred in the collection and analysis of water samples for beach monitoring purposes as specified in DHEC's sampling plan. Funds may also be used to defray advisory notification costs, such as the purchase of advisory signs and labor of posting and removal of signs. Monitoring activities must be performed to receive funding, grants will not be awarded solely for notification supplies

and activities. Monies cannot be used for additional sampling outside the scope of the sampling plan.

How will funding be awarded?

DHEC has allocated a total of \$88,900 for the Beach Monitoring Grant Program for use through October 31, 2006. Applicants will be evaluated on the basis of the following components:

- Overall quality of application
- Number of previous seasons the entity has carried out monitoring
- Number of previous seasons the entity has carried out notification activities
- Cost effectiveness and reasonability of budget
- Outreach efforts made to the educate the public about the monitoring program and practices to maintain clean and safe beaches
- Additional self-funded activities to carried out to gain further knowledge about our beach water quality or capital improvements made to improve beach water quality

What information should be included in the application?

Each application to the Beach Monitoring Grant Program must contain the following:

- 1) Cover Sheet
 - Must include the municipality name, contact name, telephone number, fax number, address, and electronic mail address, if applicable
- 2) Background Information
 - A description of any previous monitoring or advisory notification activities performed by the municipality
 - A description of any outreach efforts related to beach water quality performed by the municipality. Examples include educational materials, posting of results, lifeguard education about the program, etc.
 - A description of additional self-funded activities related to beach monitoring. Examples include additional monitoring beyond that required by the DHEC sampling plan, capital improvements, etc
- 3) Sample collection procedures
 - The name of the entity or laboratory that will collect water samples.
 - The name of the DHEC certified laboratory that will perform sample analysis. Laboratory must be DHEC certified at the time of proposal submittal.
 - DHEC sample sites to be monitored and proposed monitoring frequency. A listing of sites is included as Attachment 1.
- 4) Advisory procedure
 - Measures and procedures for posting and removal of advisory signs
- 5) Budget
 - A complete budget outlining cost per sample, estimated number of samples to be taken during grant period, personnel costs associated with sign posting and removal, sign purchase costs, and any other costs associated with sampling and notification program
- 6) Additional Information

- If an approved Quality Assurance Project Plan (QAPP) is on file with SC DHEC, only the municipality specific sampling plan portion must be submitted with the application. If you do not have an approved QAPP you must submit two complete copies, including all appendices, in addition to the sampling plans in the application. Contact Shannon Berry for further questions concerning the QAPP and submittal requirements.

How can I make an application to the beach monitoring grant program?

Use the information provided herein to develop the application content. Provide bound original and four bound copies of the completed application. Application may be two-sided. Applications can be mailed to:

SC DHEC EQC Bureau of Water
Attn: Richard Welch
2600 Bull Street
Columbia, SC 29201

How and when will grant awards be determined?

Grant applications must be submitted to DHEC's Bureau of Water no later than close of business on April 1, 2006. Award notification will be made no later than May 1, 2006.

If my municipality is awarded a beach monitoring grant, what are we agreeing to?

DHEC shall execute a grant agreement with each grantee for the amount awarded. The grantee shall agree to do the following:

- 1) Collect water samples following DHEC's sampling protocol at specified sites and frequencies through October 15, 2006.
- 2) Analyze samples using the specified DHEC certified laboratory using the Enterolert Quanti-Tray Method, as specified in South Carolina's Beach Monitoring Quality Assurance Project Plan.
- 3) Collect resamples within 24 hours following results greater than 104 CFU/100mL.
- 4) Immediately notify the DHEC district beach monitoring program manager by electronic mail of results greater than 104 CFU/100mL and actions taken.
- 5) Follow the approved Quality Assurance Project Plan.
- 6) Submit data electronically to the beach monitoring program coordinator and district program manager following each sampling period in a format approved by DHEC.
- 7) Agree to periodic audits of sampling technique by DHEC personnel and to resolve any deficiencies noted during such audits.
- 8) Post and remove advisory signs as directed by DHEC personnel. A minimum of four signs must be posted for each advised location. Advisory signs shall be posted at a minimum interval of 100 ft for the length of the advised area. Sign posting and removal shall be within four hours of notification. Signs shall not be removed until directed by DHEC. Signs must be clearly visible and unobstructed.
- 9) Permanent caution signs shall be placed at sites determined by DHEC personnel to be appropriate. Reasonable efforts must be made to ensure

caution signs remain posted and clearly visible. Damaged or missing signs must be repaired or replaced within a reasonable timeframe.

For more information

For more information about the beach monitoring grant program please contact Richard Welch at (803) 898-3546 or by email at welchra@dhec.sc.gov.

Attachment 1

Tier 1 Beaches – Sampled weekly

City of North Myrtle Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-001	59th Ave N	-78.6081281	33.8381116
WAC-002	45th Ave N	-78.6233836	33.8336687
WAC-003	30th Ave N	-78.6372373	33.8288522
WAC-004	16th Ave N	-78.6533888	33.8241275
WAC-005	3rd Ave N	-78.6681812	33.8188902
WAC-005A	7th Ave S	-78.6818196	33.8139202
WAC-006	9th Ave S	-78.6841137	33.8131406
WAC-007	17th Ave S	-78.7000859	33.8065623
WAC-008	33rd Ave S	-78.7176586	33.7985193
WAC-009	47th Ave S	-78.7316984	33.7916396

Town of Briarcliffe Acres

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-009A	White Point Swash	-78.7389766	33.7890390
WAC-010	Briarcliff Cabana	-78.7418836	33.7863648

Arcadia Beach – Horry County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-011	2m N Of Wyndham Hotel	-78.7456588	33.7844389
WAC-012	Lands End Resort Arcadia	-78.7644272	33.7738569
WAC-013	Wyndam Hotel Arcadia	-78.7751472	33.7679330
WAC-014	Sands Ocean Club Arcadia	-78.7884552	33.7593629

City of Myrtle Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-015	Singleton Swash Arcadia	-78.7949689	33.7554581
WAC-016	77th Ave North Mb	-78.8128891	33.7432032
WAC-016A	Cane Patch Swash Mb	-78.8222535	33.7369623
WAC-017	64th Ave North Mb	-78.8259239	33.7342228
WAC-017A	Deep Head Swash Mb	-78.8380851	33.7249800
WAC-018	50th Ave North Mb	-78.8426859	33.7217018
WAC-019	34th Ave North Mb	-78.8571075	33.7103910
WAC-020	24th Ave North Mb	-78.8662608	33.7028987
WAC-021	8th Ave North Mb	-78.8800091	33.6904148
WAC-022A	Withers Swash	-78.8907427	33.6800915
WAC-024	23rd Ave South Mb	-78.9078527	33.6664849
WAC-025A	Midway Swash	-78.9170543	33.6581395

Springmaid Beach – Horry County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-026	Nash Drive Mb	-78.9210152	33.6548022

South Carolina State Park and Campgrounds – Horry County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-027	Myrtle Beach State Park	-78.9322370	33.6453918
WAC-028	Pirateland Swash	-78.9448891	33.6331050
WAC-029	Ocean Lakes Cg	-78.9522428	33.6256796
WAC-029A	Ocean Lakes Discharge	-78.9584233	33.6190057

Town of Surfside Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-030	16th Ave N	-78.9611507	33.6161130
WAC-031	11th Ave N Surfside	-78.9641393	33.6131460
WAC-031A	5th Ave N Swash	-78.9678983	33.6087667
WAC-032	3rd Ave N Surfside	-78.9691373	33.6077479
WAC-033	3rd Ave S Surfside	-78.9740541	33.6027406
WAC-034	8th Ave S Surfside	-78.9771679	33.5993875
WAC-035	13th Ave S Surfside	-78.9810281	33.5952913

Tier 2 Beaches – Sampled twice per month**Garden City Beach – Horry County Beach**

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-036	Hawes Ave GC	-78.9875519	33.5881838
WAC-037	Azalea Ave GC	-78.9987463	33.5759710

Garden City Beach – Georgetown County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-038	Gc Point	-79.0280417	33.5343343

Huntington Beach State Park – Georgetown County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-039	North Access Hb State Pa	-79.0485453	33.5144847
WAC-040	Visitors Center Hb State	-79.0650630	33.5015691

Litchfield Beach – Georgetown County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-041	Songbird Ln Lb	-79.0826594	33.4852593
WAC-042	Litchfield Inn	-79.0956795	33.4691087
WAC-043A	1st L Past Gate	-79.1006280	33.4618510

Town of Pawleys Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-044A	Pub Access 2nd/atlantic	-79.1189178	33.4324118
WAC-045A	Public Access Springs/ha	-79.1308041	33.4120827
WAC-046	Pawleys Is. South Parkin	-79.1381272	33.3996241

Debordieu Beach – Georgetown County Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
WAC-047	Luvan Way	-79.1485221	33.3750841
WAC-048	Lafayette/ocean Green Bl	-79.1516853	33.3597849

Isle of Palms

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
TRI-050	Port O Call	-79.7209687	32.8103981
TRI-051	Dunes Crest	-79.7295831	32.8041945
TRI-052	Iop 53 Ave	-79.7451271	32.7993724
TRI-053	34th Ave IOP	-79.7655512	32.7935276
TRI-054	21st Ave IOP	-79.7816777	32.7867809
TRI-054B	IOP County Park	-79.7848167	32.7855333
TRI-055	IOP 7th Ave	-79.7949164	32.7811633
TRI-056	IOP 4th Ave	-79.8016763	32.7773541

Sullivans Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
TRI-057	Sta 30	-79.8166954	32.7681455
TRI-058	Sta 26	-79.8256178	32.7625199
TRI-059	Sta 18 Half	-79.8418775	32.7561453

Folly Beach

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
TRI-060	1731 E Ashley	-79.8919986	32.6798872
TRI-061	1561 E Ashley	-79.9050167	32.6708123
TRI-062	11th Ave	-79.9177666	32.6634835
TRI-063	4th Ave	-79.9332694	32.6570540
TRI-064	Center St	-79.9385997	32.6545036
TRI-065	3rd Ave	-79.9445986	32.6524209
TRI-066	8th Ave	-79.9550550	32.6472203
TRI-067	Folly Park	-79.9591553	32.6449023

Kiawah Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
TRI-068	Ocean Marsh	-80.0446670	32.6082198
TRI-069	Surfsong	-80.0706165	32.6040103
TRI-070	Seaforest Dr	-80.1012961	32.5971705

TRI-071	Shipwatch	-80.1172482	32.5916751
TRI-072	Duneside	-80.1267146	32.5873798

Seabrook Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
TRI-073	Oyster Catcher	-80.1570319	32.5654819
TRI-074	St Christ Camp	-80.1823011	32.5650084

Edisto Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
LC-075	Edingsville	-80.2741667	32.5187500
LC-076	Jeremy Inlet	-80.2888036	32.5091141
LC-077	Pavillon	-80.2961892	32.5030440
LC-077A	Matilda St	-80.3056000	32.4968167
LC-077B	Atlantic St	-80.3098333	32.4938000
LC-078	Cheehaw	-80.3147337	32.4899083
LC-079	Edings	-80.3254256	32.4825645
LC-080	Edisto St	-80.3376307	32.4783173
LC-080A	Mikell St	-80.3412500	32.4821833
LC-081	Ebb Tide	-80.3439132	32.4891121
LC-082	Bay Point	-80.3460287	32.4953520

Harbor Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
LC-083	Habour Rd	-80.4403469	32.4129153
LC-084	Bt Lots 118 120	-80.4355128	32.4124585
LC-085	Bt Lots 54 56	-80.4319043	32.4091789

Hunting Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
LC-086	Camps 73 75	-80.4305767	32.3883794
LC-087	Camps 47 49	-80.4318066	32.3848848
LC-088	South Beach Cons	-80.4409419	32.3648875
LC-089	Cabin 9	-80.4521517	32.3406450
LC-090	N Beach Restroom	-80.4369093	32.3730697
LC-091	Lighthouse	-80.4360518	32.3750618

Fripp Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
LC-092	Access 25	-80.4899288	32.3104403
LC-093	Fripp Villas	-80.4803966	32.3144317
LC-094	Seahorse	-80.4712075	32.3163850
LC-095	Red Drum Rd	-80.4673595	32.3173408
LC-096	Marlin Dr	-80.4624500	32.3193000

Hilton Head Island

<i>Station</i>	<i>Description</i>	<i>Longitude</i>	<i>Latitude</i>
LC-098	Port Royal Plantation	-80.6685909	32.2197216
LC-099	Folly Field	-80.6882693	32.2006913
LC-100	Burks Beach	-80.6962256	32.1928845
LC-101	Moorings	-80.7148049	32.1678615
LC-102	Hilton	-80.7200065	32.1618016
LC-103	Ocean Woods	-80.7310570	32.1516425
LC-104	Sea Crest	-80.7480456	32.1415282
LC-105	Elderberry	-80.7658163	32.1335377
LC-106	Marriot	-80.7627161	32.1349257
LC-107	Sea Pines Beach Club	-80.7856603	32.1241791
LC-108	Atlantic Pointe	-80.8008067	32.1164881
LC-109	Tower Beach	-80.8228073	32.1075284
LC-110	Beachside Tennis	-80.8283337	32.1122093
LC-111	Landsend Drive	-80.8260547	32.1209233